

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Fire Fighting and Prevention Workers \(33-1021\)](#)

Associated Occupation: [Forest and Conservation Technicians \(19-4093\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 48

Focus Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Geography	3.9	13.3	8.4	<< Extensive education and/or training may be required
Transportation	4.6	11.5	8.3	<< Extensive education and/or training may be required
Biology	3.7	9.4	3.0	<< Extensive education and/or training may be required
History and Archeology	2.6	8.4	2.7	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Management of Personnel Resources	6.9	9.1	12.0	>> Skill level is likely more than sufficient
Mathematics	6.2	9.1	7.2	< A higher skill level may be required
Equipment Selection	3.3	5.3	6.0	> Skill level is likely sufficient
Programming	2.2	4.6	2.0	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Far Vision	7.8	11.9	12.3	0 Current ability level may be sufficient
Depth Perception	5.3	9.2	8.9	0 Current ability level may be sufficient
Stamina	4.0	8.0	8.7	0 Current ability level may be sufficient
Spatial Orientation	2.7	7.4	7.1	0 Current ability level may be sufficient
Speed of Limb Movement	3.2	7.0	7.1	0 Current ability level may be sufficient
Glare Sensitivity	2.6	6.9	7.9	> Current ability level is likely sufficient
Dynamic Strength	3.5	6.5	6.9	0 Current ability level may be sufficient
Gross Body Equilibrium	3.2	6.4	5.3	< Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)

Associated Occupation: Forest and Conservation Technicians (19-4093)

Work Activities	Exclusivity of Activity
Communicate technical information	4
Conduct training for personnel	30
Control and extinguish municipal or forest fires	89
Determine best method for attacking fire	92
Direct and coordinate activities of workers or staff	3
Direct and coordinate fire prevention and suppression activities	92
Direct loading of fire suppression equipment	95
Give directions to crew on fire line during forest fire	92
Maintain records, reports, or files	5
Make presentations	13
Observe fire to note changing conditions	92
Oversee work progress to verify safety or conformance to standards	49
Prepare reports	8
Read maps	42
Use oral or written communication techniques	1
Use public speaking techniques	13
Use two-way radio or mobile phone	42
Work as a team member	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 77

Focus Occupation: First-Line Supervisors of Fire Fighting and Prevention Workers (33-1021)
Associated Occupation: Forest and Conservation Technicians (19-4093)

Tools and Technologies	Exclusivity
Aerial lifts	13
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Earth moving machinery	11
Fire fighting equipment	16
Garden tools	12
Geophysical and geotechnical instruments	23
Humidity and moisture measuring instruments	15
Igniters	47
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Lifting equipment and accessories	3
Meteorological instruments	16
Network applications software	1
Passenger motor vehicles	13
Personal communication devices	2
Power tools	2
Product and material transport vehicles	13
Prying and bending tools	10
Pumps	9
Safety and rescue vehicles	37
Specialized and recreational vehicles	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.